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D A I L Y

F I E L D

R E P O R T

DATE: November 19, 1986

TIME: 10:30 a.m. to 4:30 p.m.

PLACE: Cerro Copper Plant
Sauget, IL

WEATHER: Overcast, Windy, Low 40s°F

PROJECT: Job 10224A
Cerro Copper
IEPA RI/FS Oversight

DISTRIBUTION:

S. Silverstein, Cerro (2 copies)
JBC/LJO/ED 10224-1.1

PERSONNEL ON SITE:

Name	Affiliation	Hours
Caroline Israel	Sverdrup Corporation	6.0
Dan Sewall	Ecology & Environment (E&E)	6.0
Kevin Phillips	Ecology & Environment	6.0

FIELD WORK SUMMARY:

1. E&E set out to perform a soil gas monitoring survey of approximately twenty (20) locations on Cerro property. An Organics Vapor Analyzer (OVA) was used to take readings at each location. According to E&E, samples would be taken at any location which registered approximately 100 ppm or greater on the OVA.

2. A slitted stainless steel point screwed to stainless steel tubing was inserted into the ground to depths of 1.0 to 5.0 feet. Compressed air was used to blow dirt free from the slits. Teflon tubing was connected to the steel tubing. The OVA probe was inserted into the teflon tubing and a reading was taken. Generally 2-3 readings were taken at 1-minute intervals. All screw threads were taped with teflon tape.

3. Eleven (11) locations were monitored today. (See attached map.) A sample was taken at Site #8 (SG-60), but the pump needed recharging and D. Sewall informed C. Israel that that sample would not be used. He noted that site #8 would be tested again tomorrow.

4. D. Sewall and K. Phillips wore hard hats, glasses and vinyl disposal gloves. Gloves were not changed after each location.

5. The steel tubes and points were used once and cleaned. The dirt was wiped off the tubes with paper towels and removed from the slits with a large exacto-type knife and small wires. The steel tubes were cleaned in one bucket with TSP cleaner and rinsed in a

second bucket. The steel and teflon tubes were blow-dried with compressed air.

6. The first seven locations had OVA readings of less than 2 ppm, Site #8 read greater than 100 ppm and the last three sites for the day read greater than 1,000 ppm. (See field notes.)

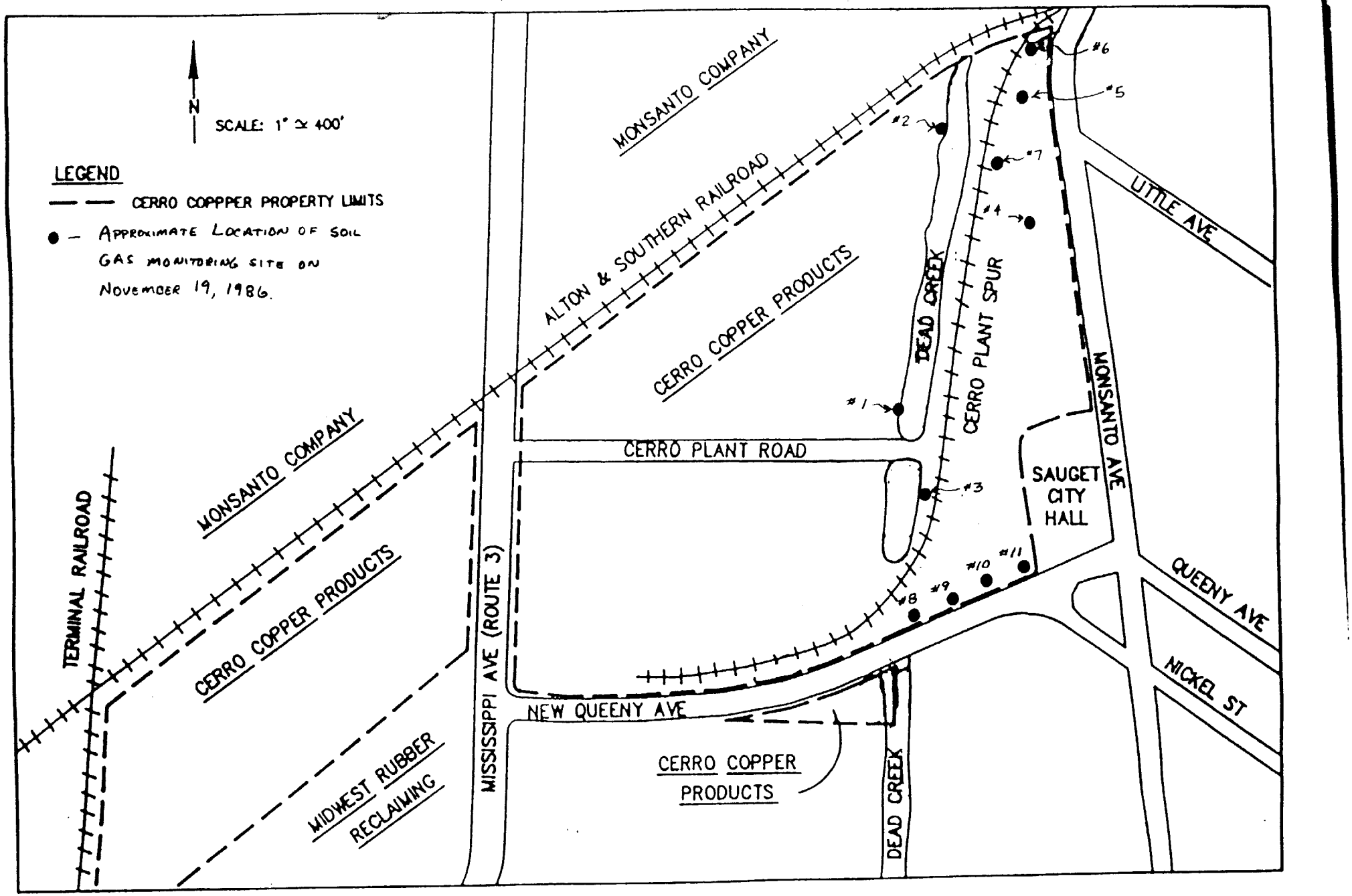
7. E&E noted that they would start work at 9:00 a.m. tomorrow in order to finish the soil gas monitoring survey.

8. E&E and Sverdrup departed the site at approximately 4:30 p.m.

9. C. Israel took 22 pictures on this day's field activities.

Attachments: Cerro Site Map

Sverdrup Corporation


N
SCALE: 1" ≈ 400'
LEGEND
CERRO COPPPER PROPERTY LIMITS
Approximate Location of Soil Gas Monitoring Site on November 19, 1986.
MONSANTO COMPANY
ALTON & SOUTHERN RAILROAD
CERRO COPPER PRODUCTS
DEAD CREEK
CERRO PLANT SPUR
UTTLE AVE
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10
#11
CERRO PLANT ROAD
MONSANTO AVE
SAUGET CITY HALL
QUEENY AVE
MICKEL ST
TERMINAL RAILROAD
MONSANTO COMPANY
CERRO COPPER PRODUCTS
MIDWEST RUBBER RECLAIMING
MISSISSIPPI AVE (ROUTE 3)
NEW QUEENY AVE
CERRO COPPER PRODUCTS
DEAD CREEK